

**State of Wisconsin/Department of Transportation**  
**RESEARCH PROGRESS REPORT FOR THE QUARTER ENDING: Mar 31, 2002**

<b>Program: SPR-0010(36) FFY99</b>		<b>Part: II Research and Development</b>	
<b>Project Title: Development of Rational Overlay Design Procedures for Flexible Pavements</b>		<b>Project ID: 0092-00-05</b>	
<b>Administrative Contact:</b> Nina McLawhorn		<b>Sponsor:</b>	
<b>WisDOT Technical Contact:</b> Error! Bookmark not defined.		<b>Approved Starting Date:</b> Dec 15, 1999	
<b>Approved by COR/Steering Committee:</b> \$45,000.00		<b>Approved Ending Date:</b> Sep 30, 2002	
<b>Project Investigator (agency &amp; contact):</b> James Crovetti: Marquette University-CEEN Hagg			

**Description:** The objectives of this research are to (1) develop rational procedures for quantifying the effective structural capacity of existing flexible pavements, (2) recommend guidelines for the collection and use of data to determine the effective structural capacity of existing flexible pavements, and (3) develop procedures for designing structural asphalt concrete overlays on existing flexible pavement systems.

<b>Total study budget</b>	<b>Current FFY budget</b>	<b>Expenditures for current quarter</b>	<b>Total Expenditures to date</b>
<b>\$45,000.00</b>	<b>\$15,000.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

**Progress This Quarter:**

(Includes project committee mtgs, work plan status, contract status, significant progress, etc.)

Activities this project quarter included contacts with WisDOT engineers to identify upcoming overlay construction projects which could be included in this work plan. Candidate projects include those scheduled for overlay prior to June 15, 2002. Additional FWD data was obtained from SHRP flexible pavement test sections in Wisconsin.

**Work Next Quarter:**

Pre- and post-construction FWD testing on selected 2002 construction projects will be conducted to establish pre- and post-overlay structural numbers of these pavements. Emphasis will be placed on testing locations where base repairs will be completed prior to overlay placement. The draft final report is scheduled for submission during this quarter.

**Circumstances affecting progress/budget:**

None

**Gantt Chart:**

**Note:** Gantt chart shown in State Fiscal Year Quarters